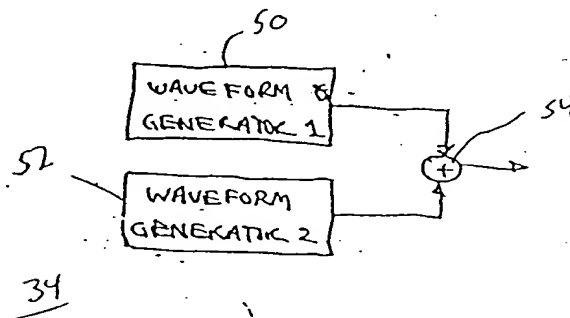


10

FIG. 1

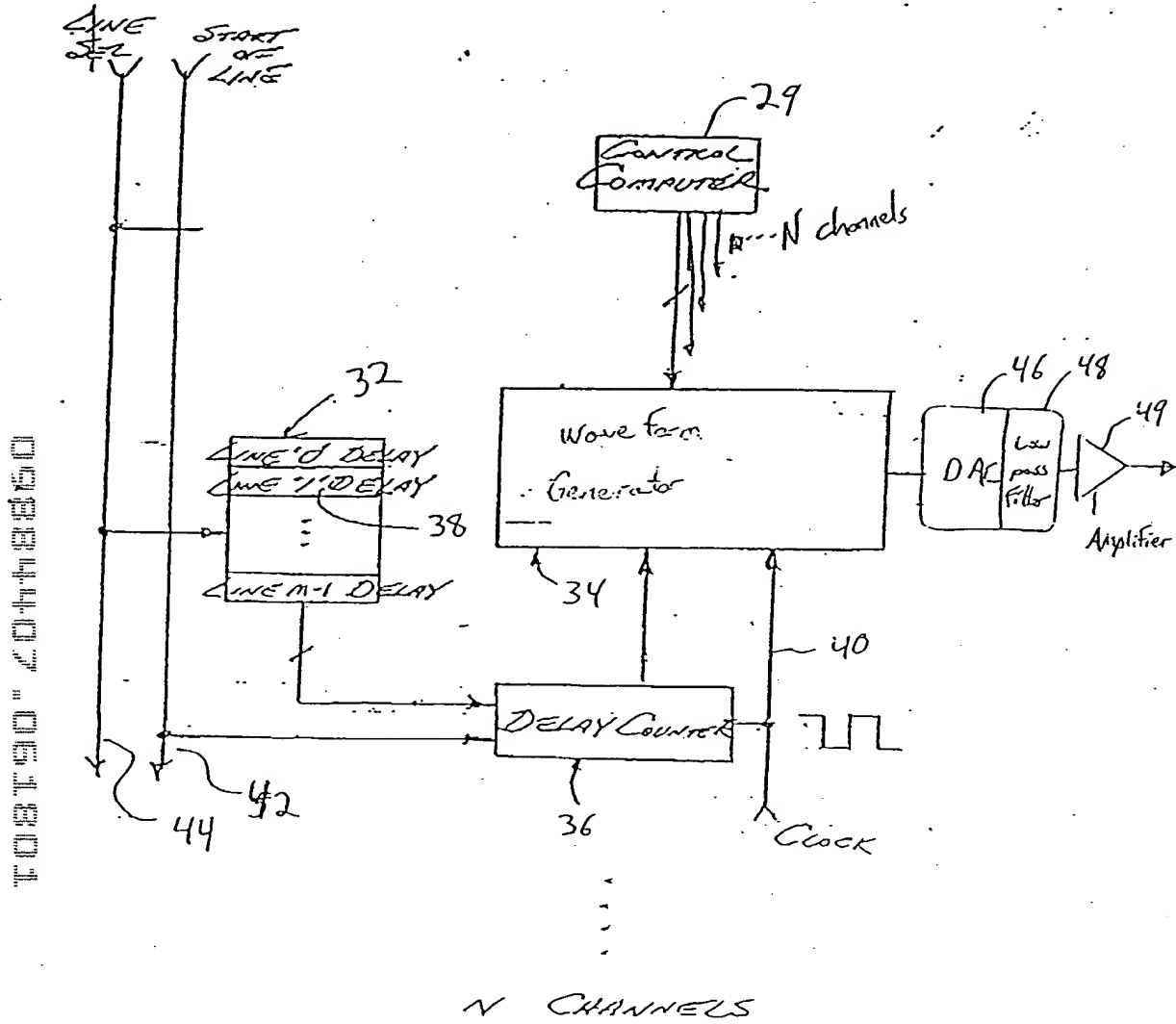


34

FIG. 3

09884407-061801

FIGURE 2



30 (TRANSIENT BEAMFORMING)

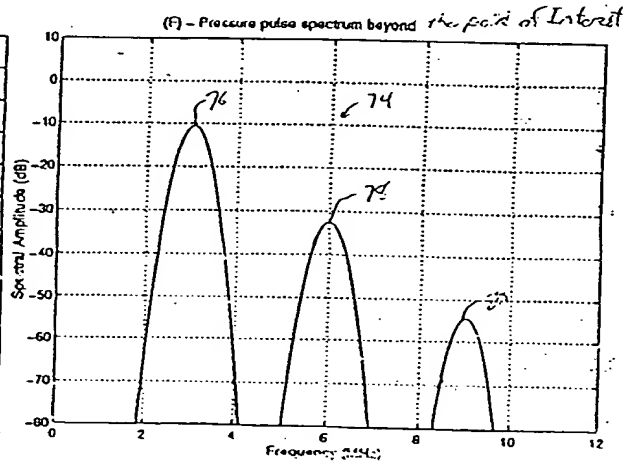
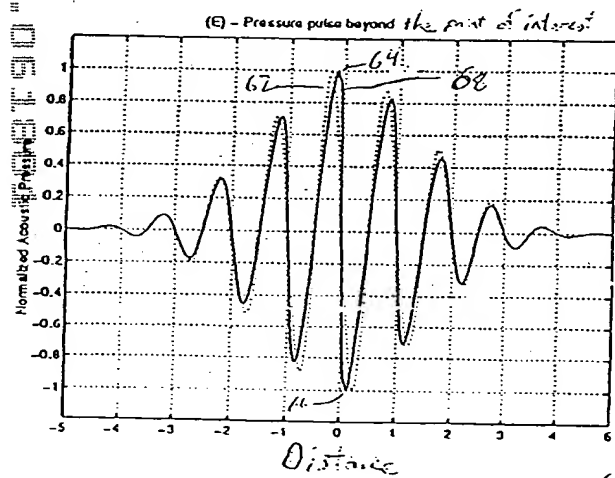
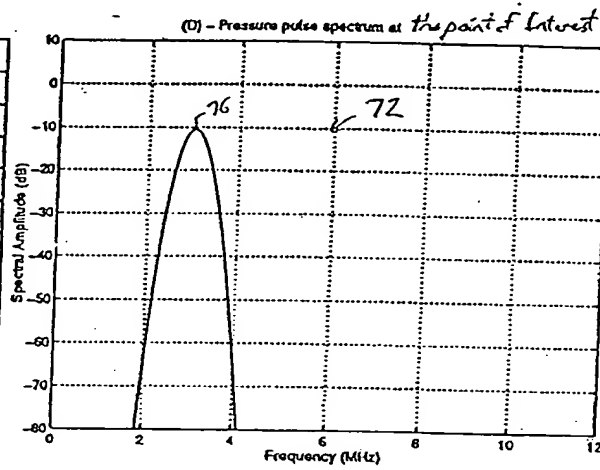
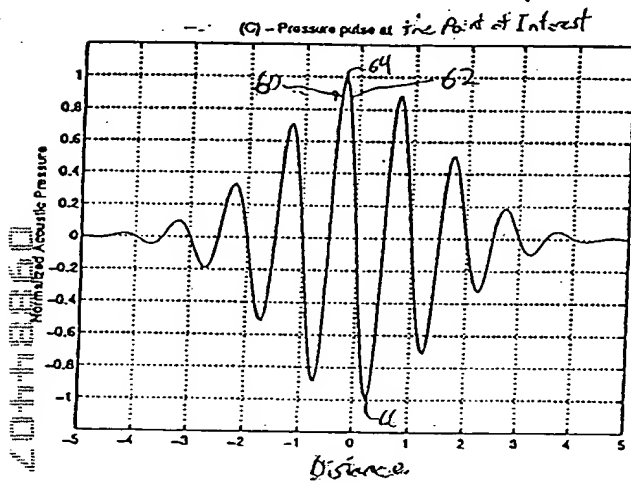
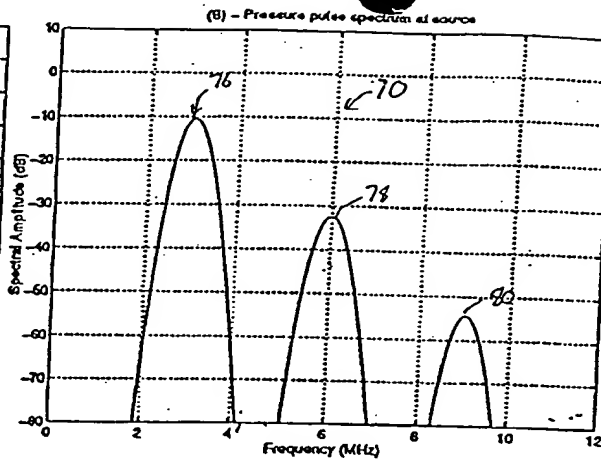
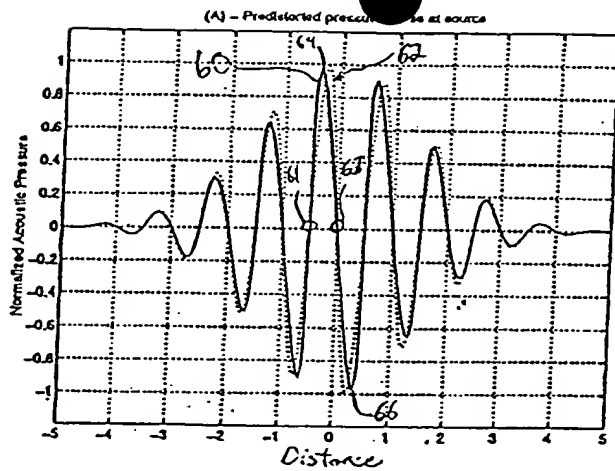
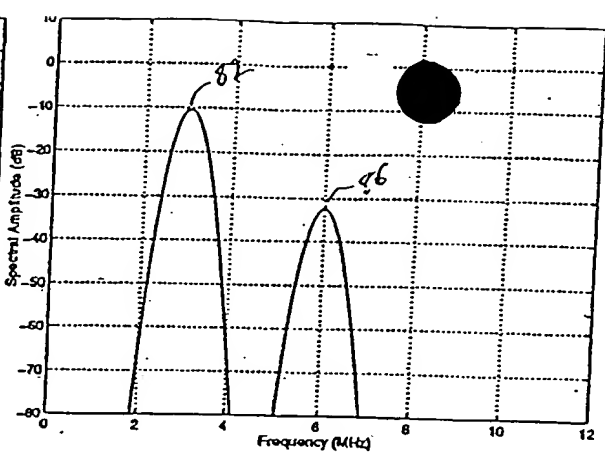
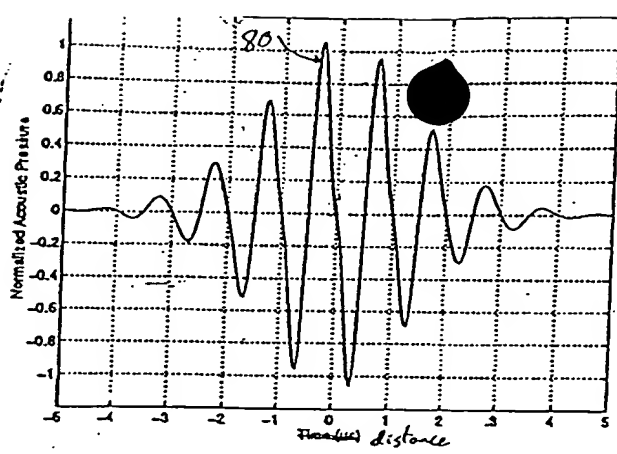


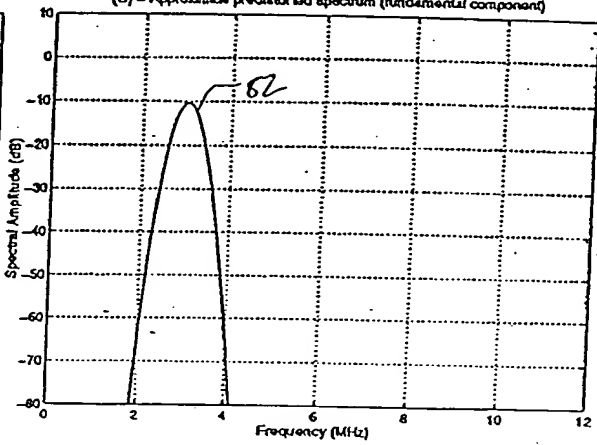
FIG. 4



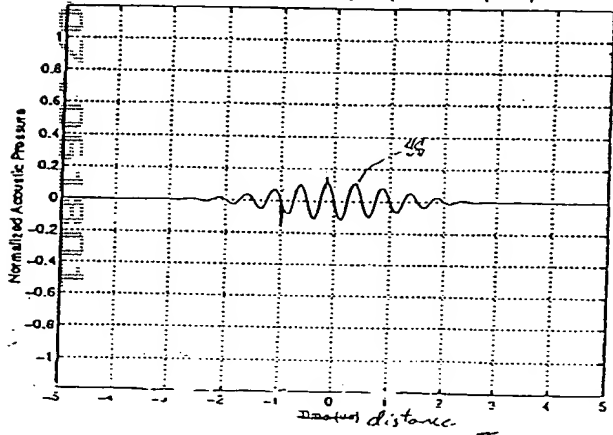
(C) - Approximate predistorted pulse (fundamental component)



(D) - Approximate predistorted spectrum (fundamental component)



(E) - Approximate predistorted pulse (harmonic component)



(F) - Approximate predistorted spectrum (harmonic component)

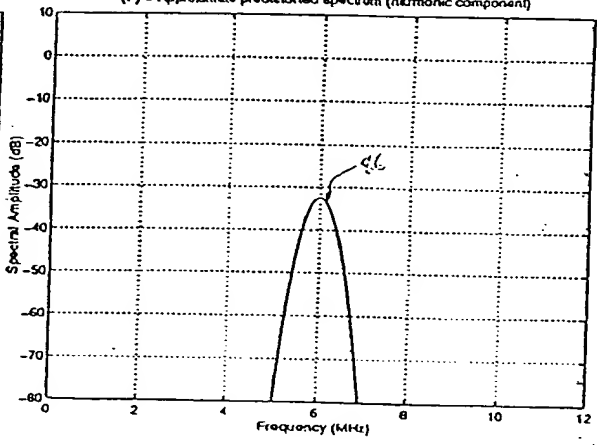


FIG. 5

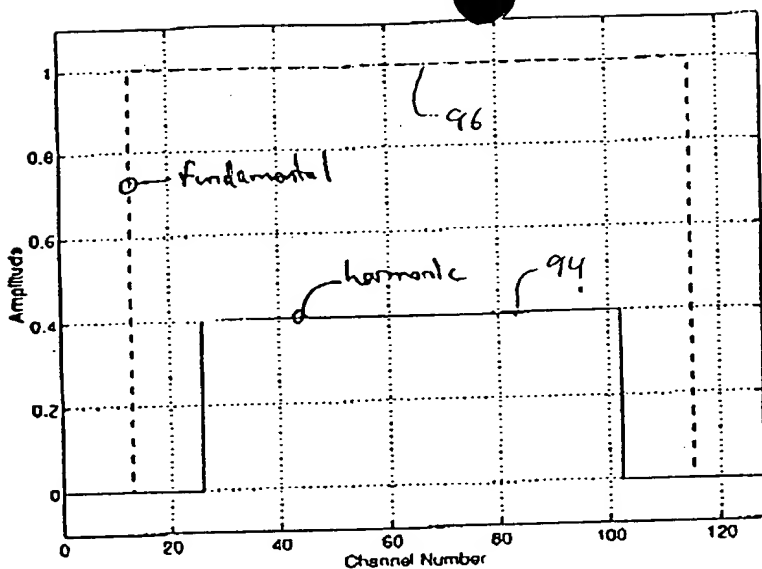


FIG. 6A

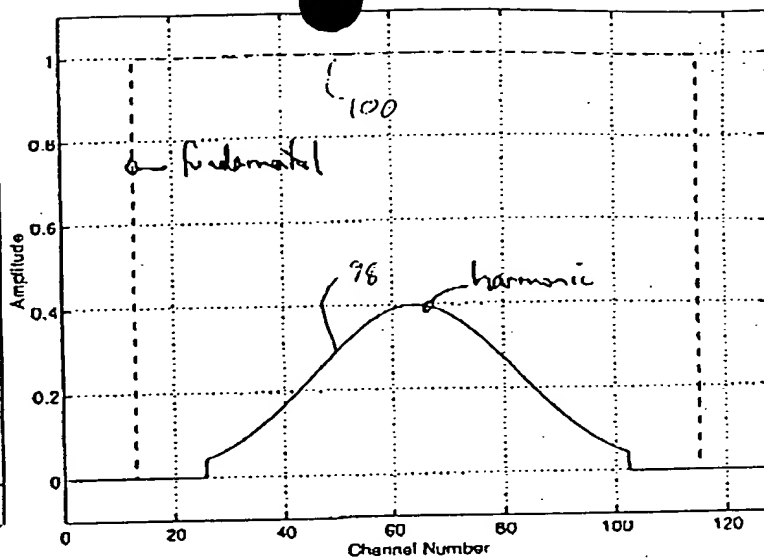


FIG. 6B

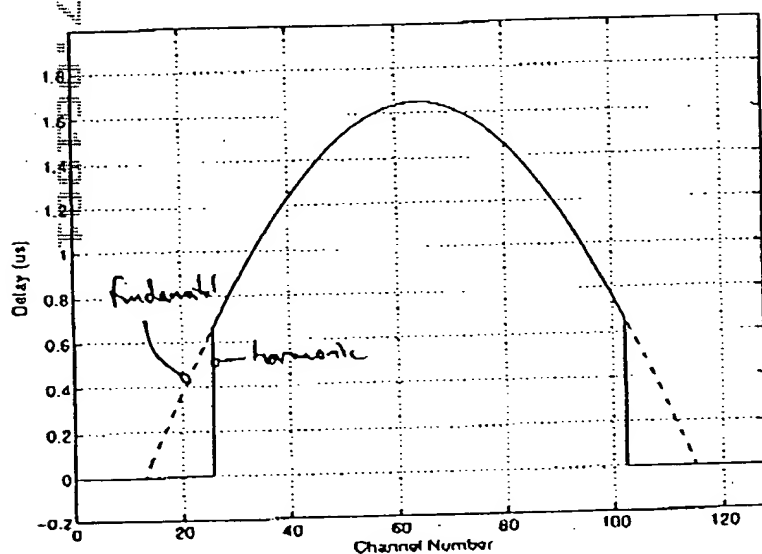


FIG. 6C

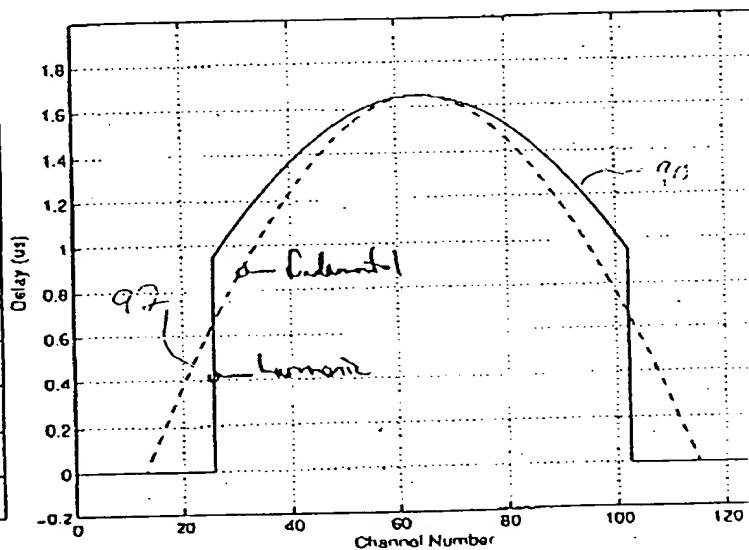
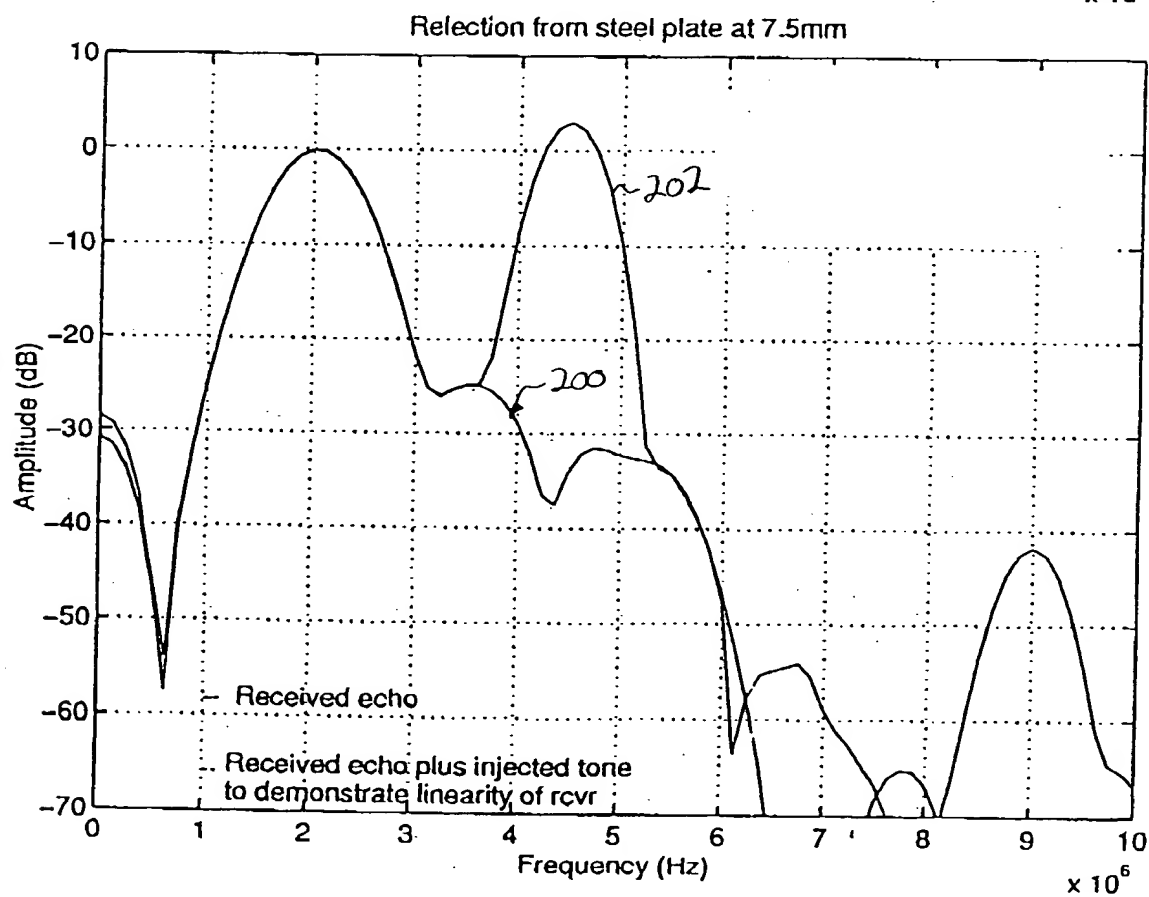
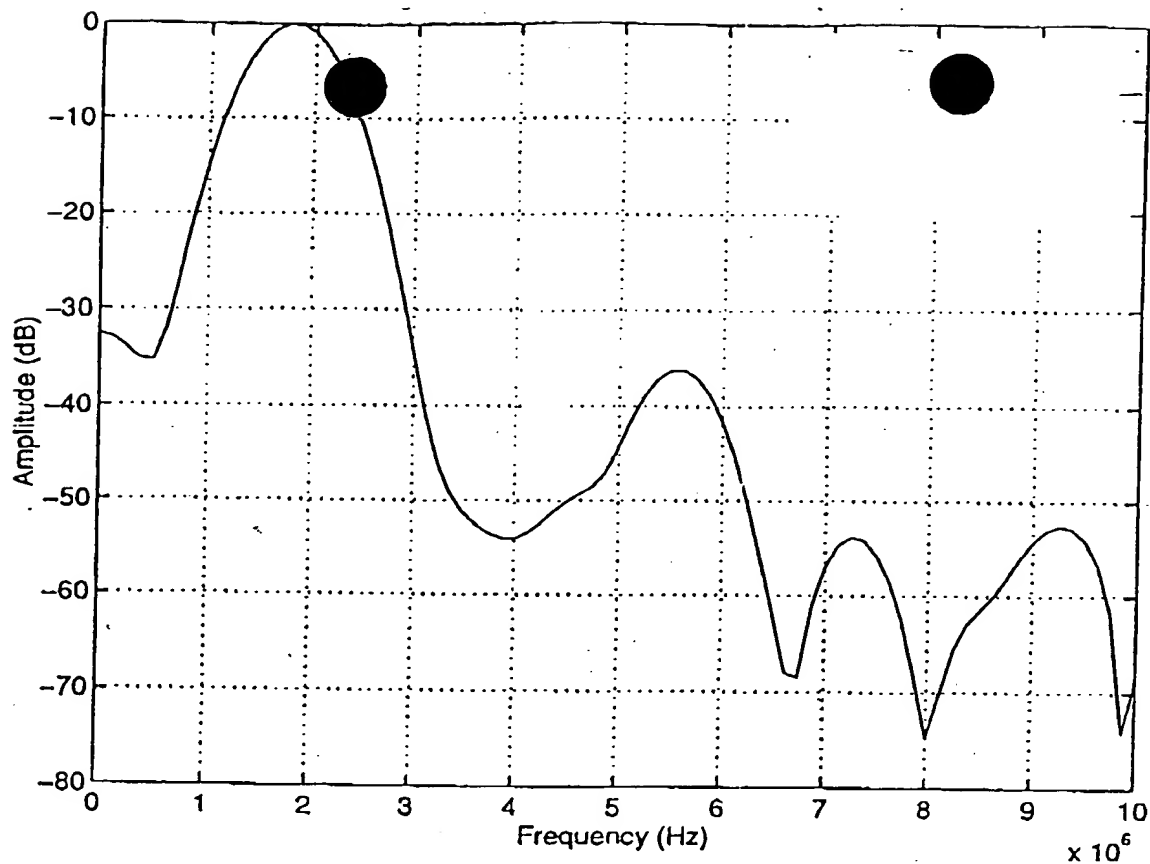


FIG. 6D

FIG. 6



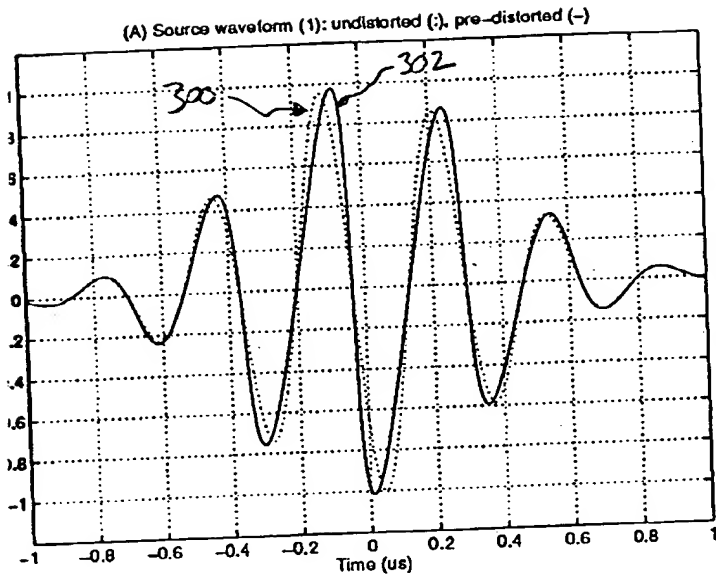


Figure 8A

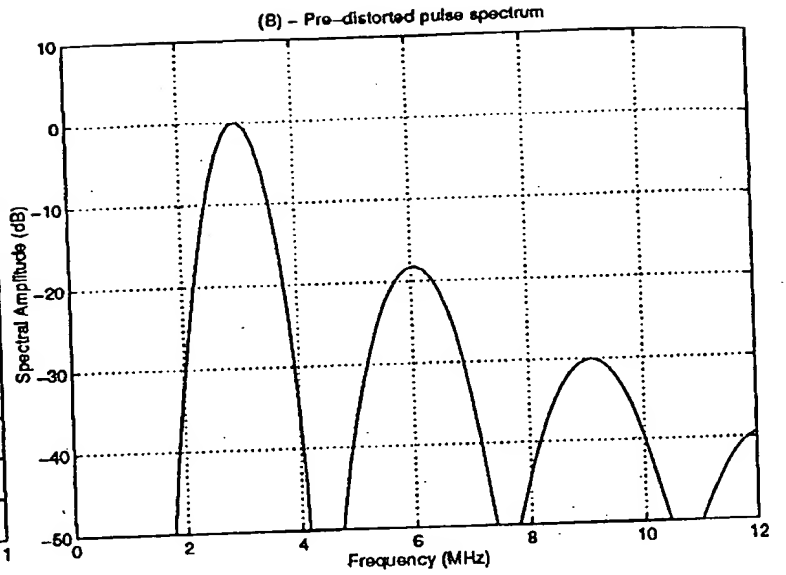


Figure 8B

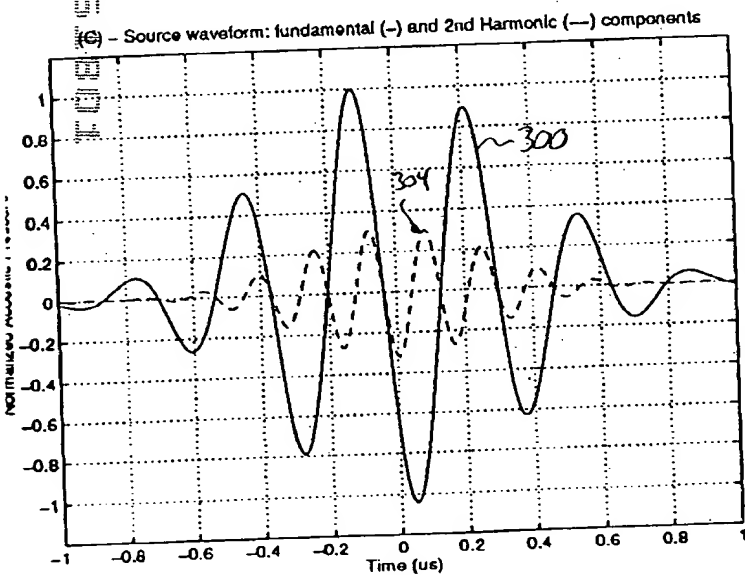


Figure 8C

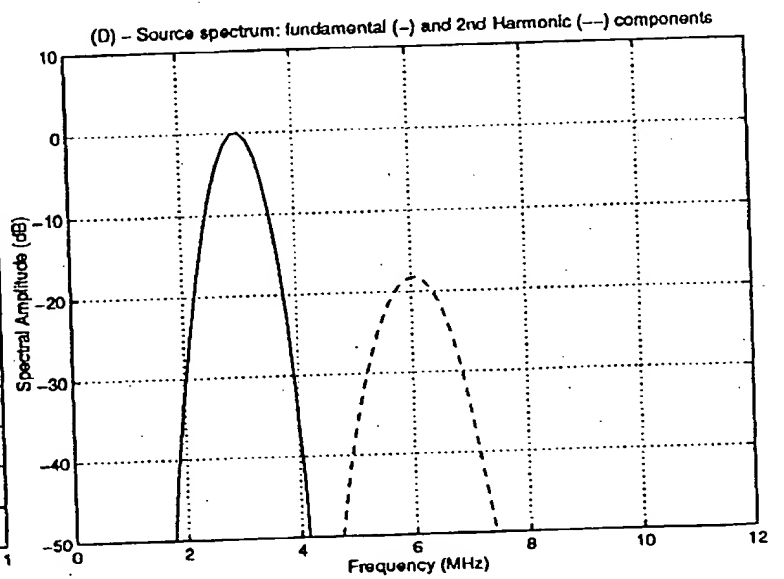


Figure 8D

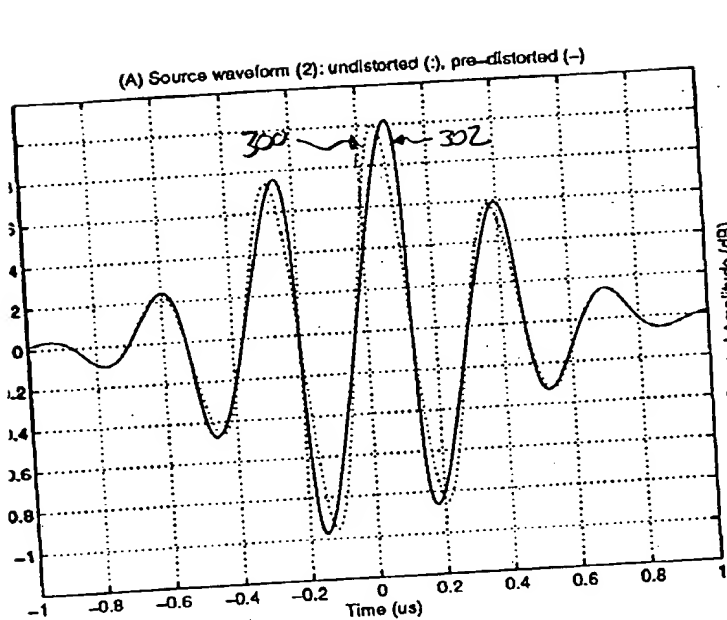


Figure 9A

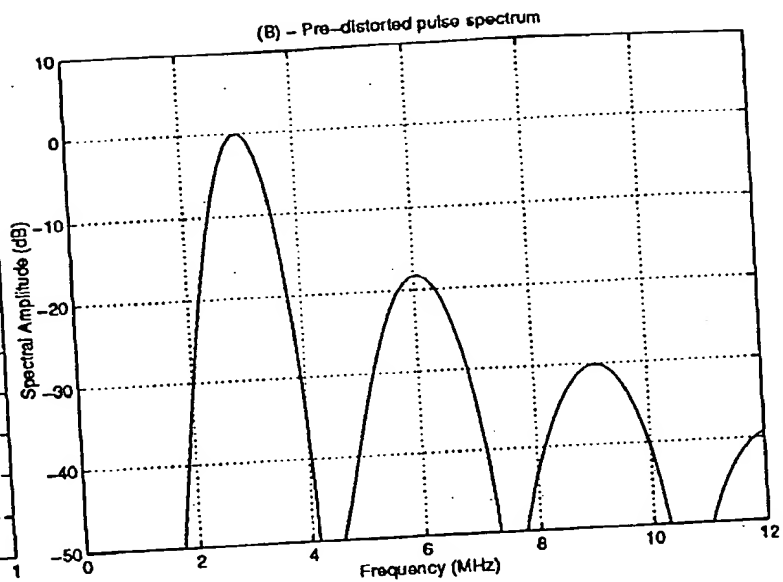


Figure 9B

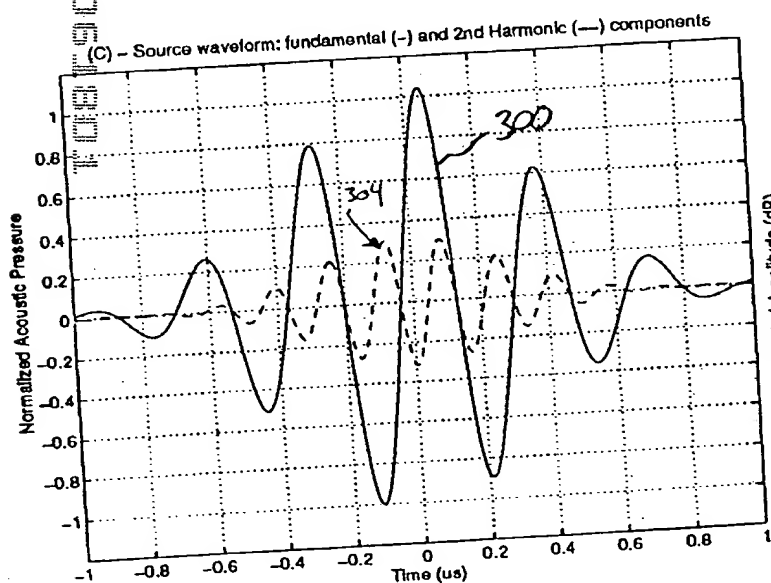


Figure 9C

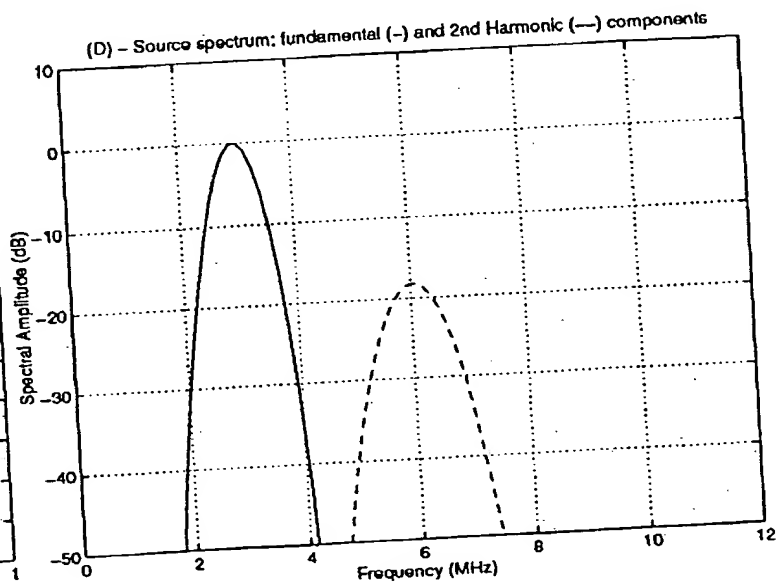


Figure 9D

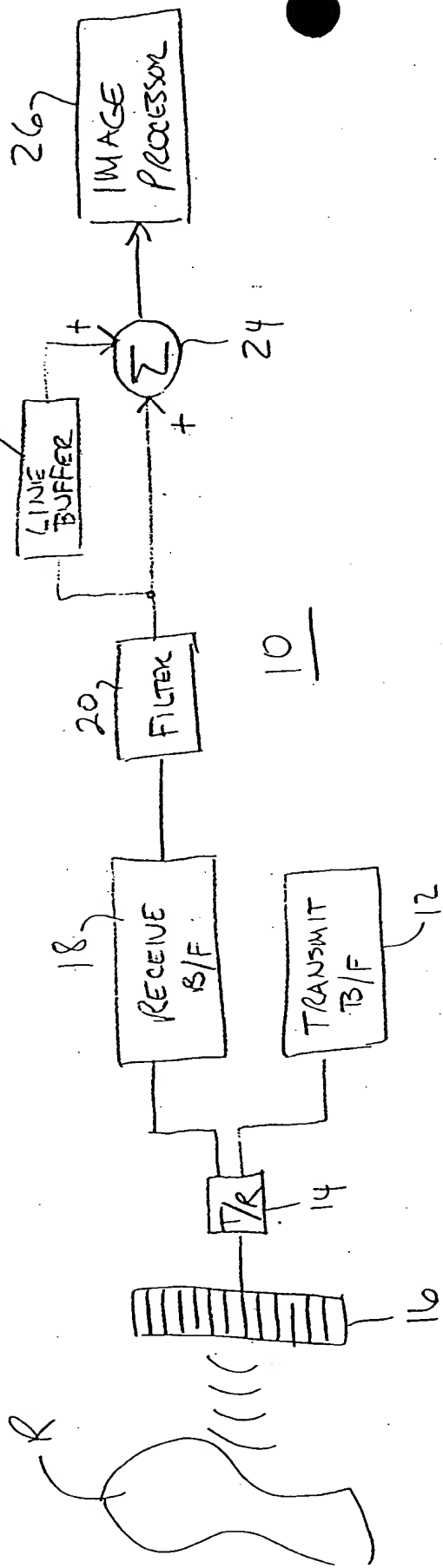


FIG. 10



Fig 11a

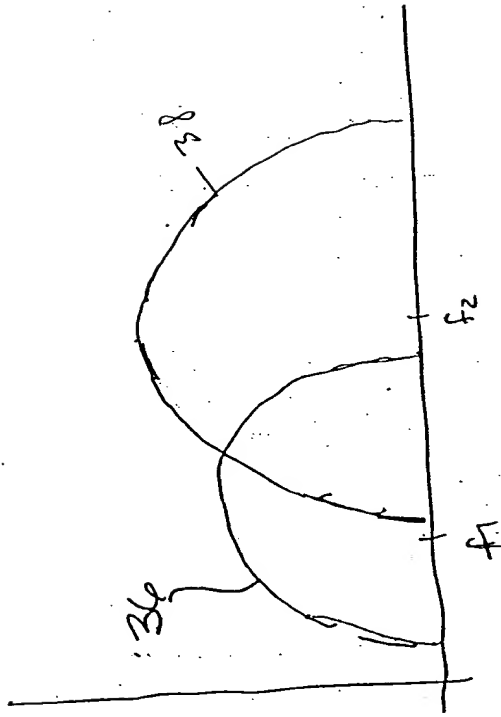


Fig 11b

TEST 50" 20TH E 60

FUNDAMENTAL

EVEN HARMONICS

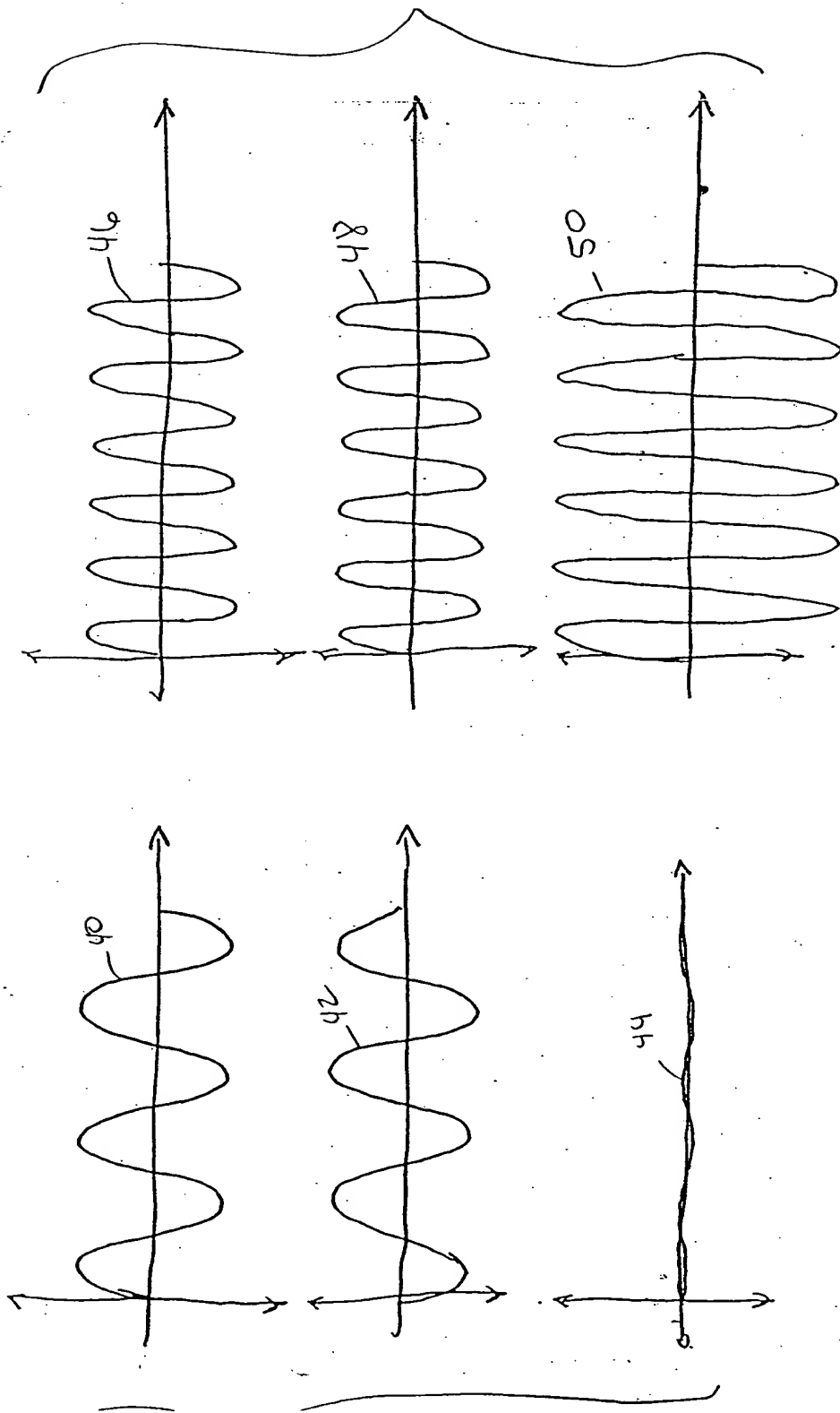


Fig 12b

Fig 12a

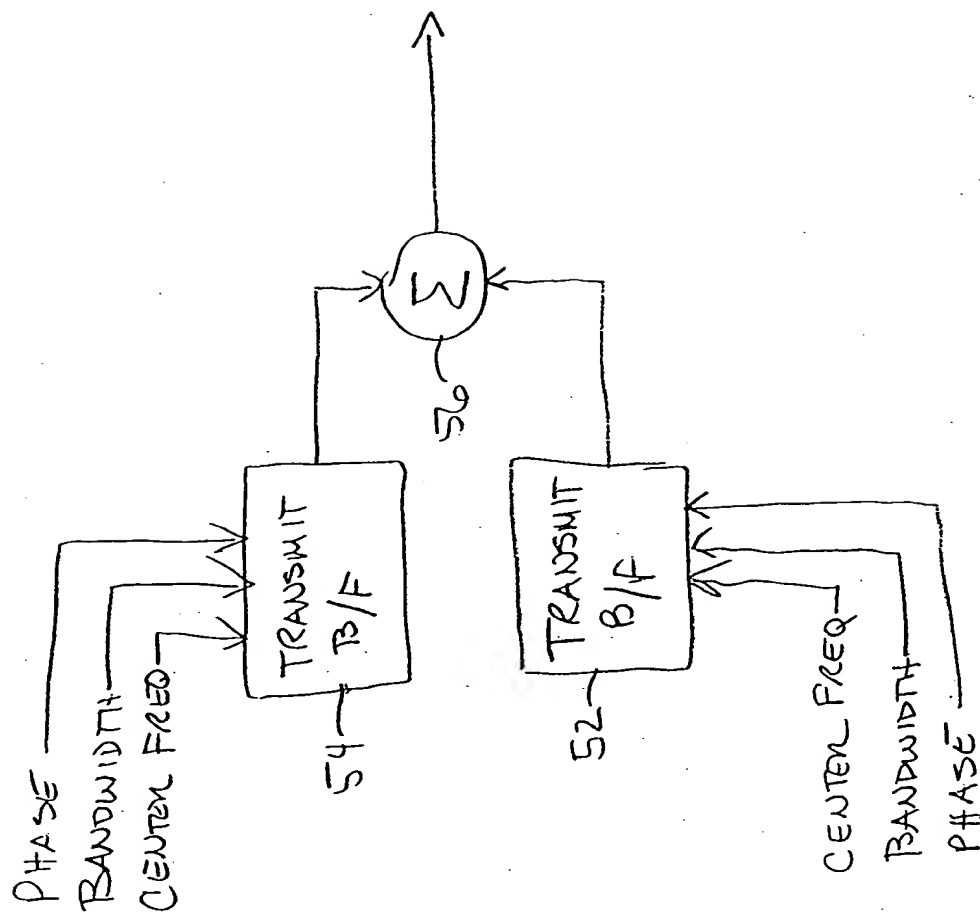


Fig 13

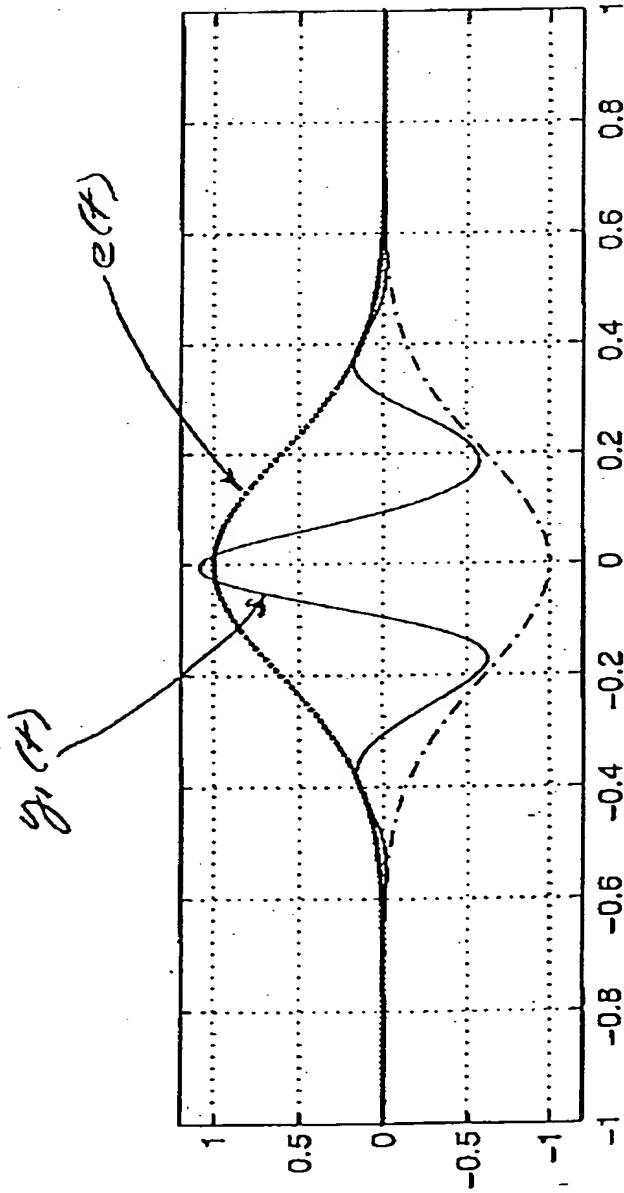


Fig 14

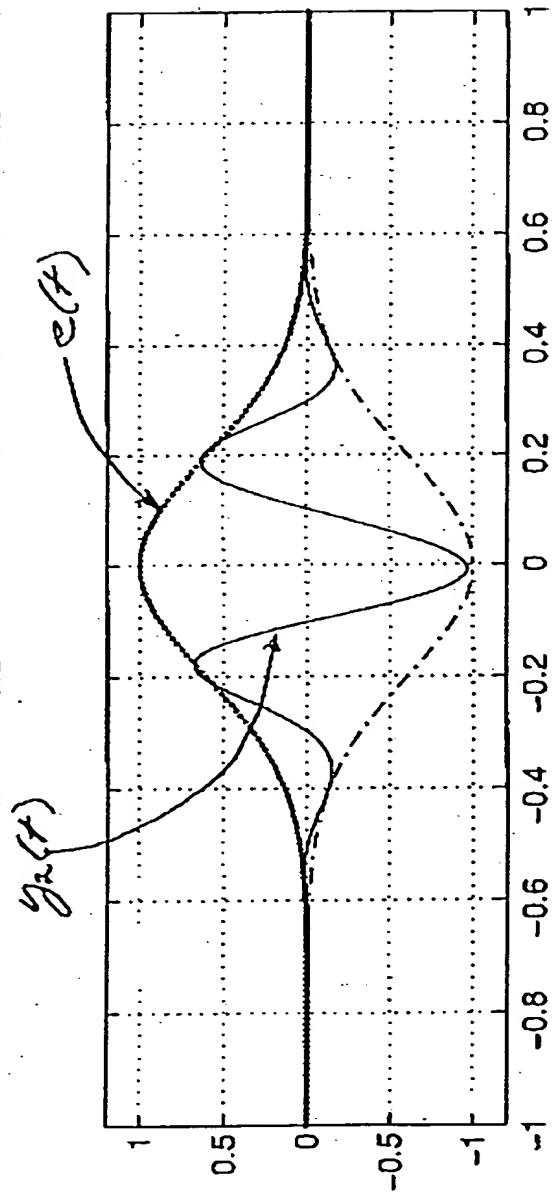


Fig 15

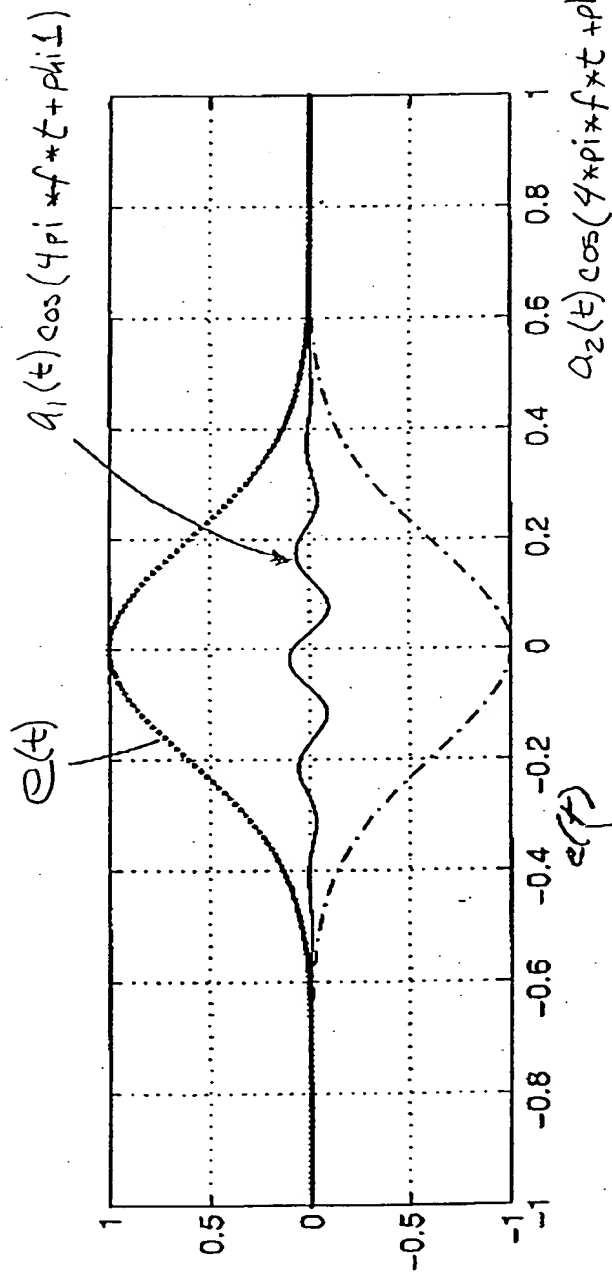


Fig 16

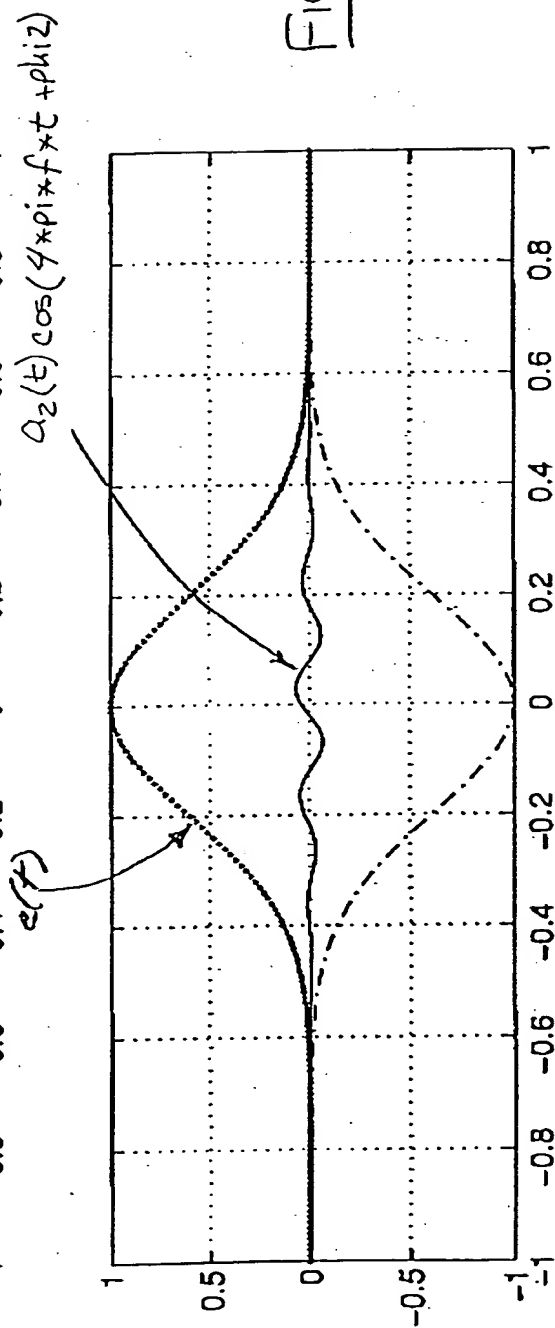


Fig 17

09834407-051801

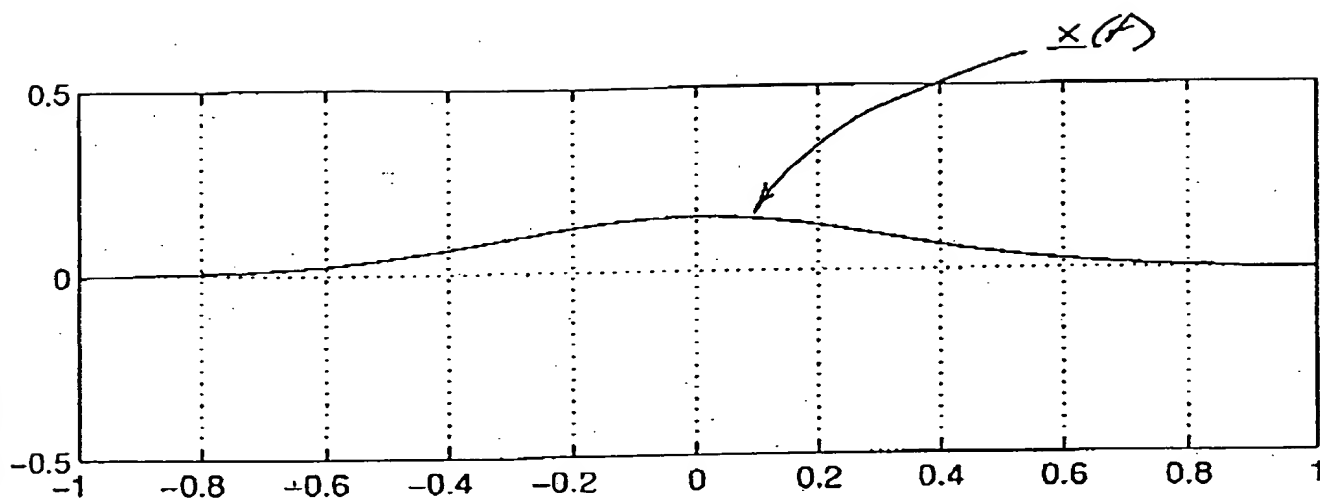


Fig 18

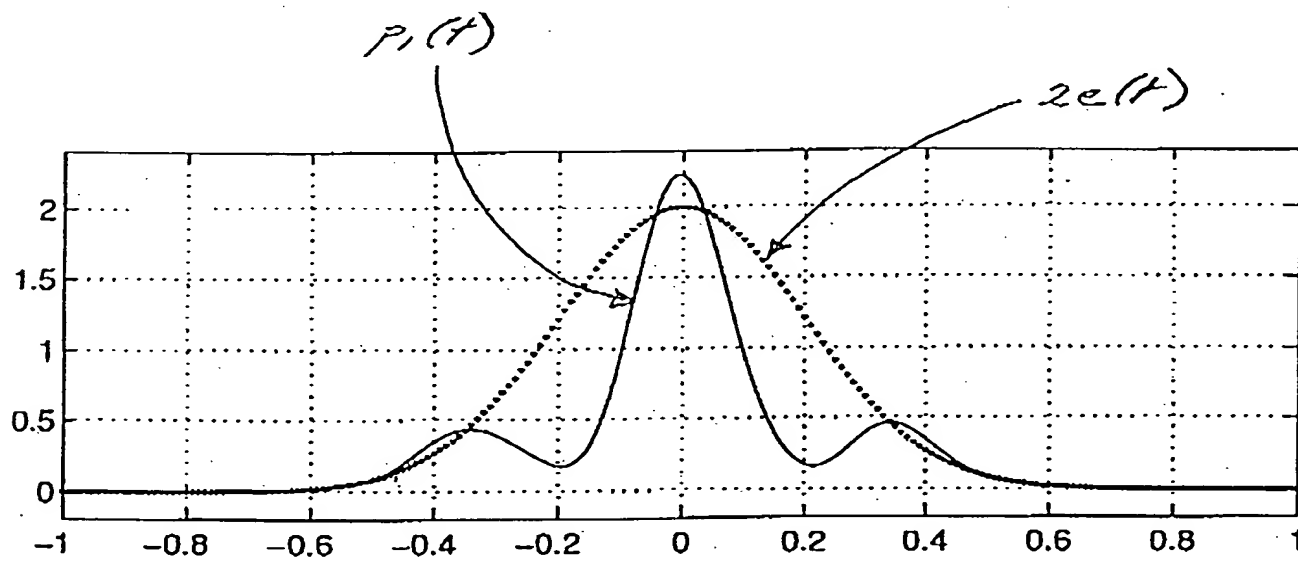


Fig 19

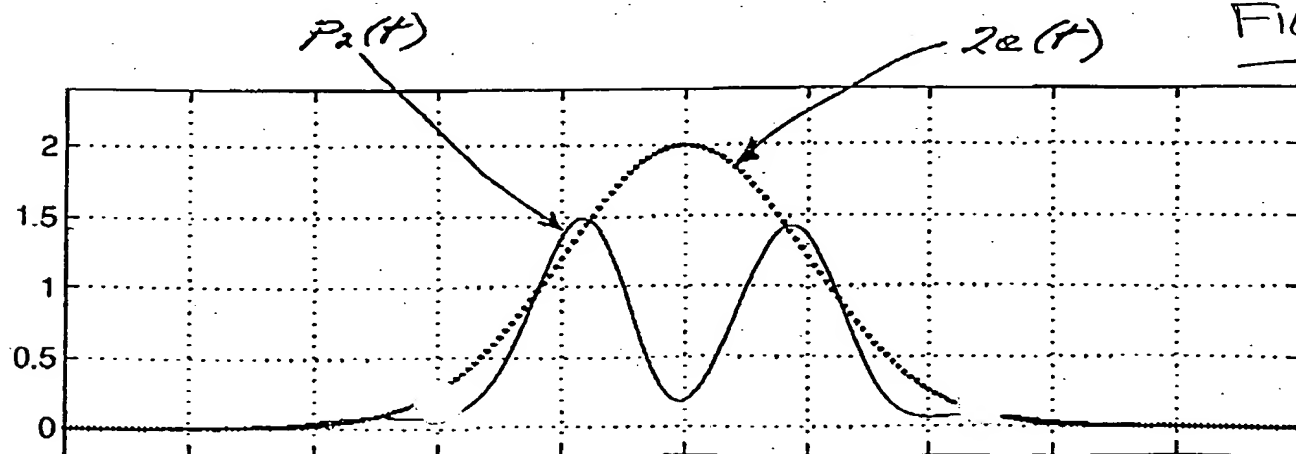


FIG 20

09034407 051301

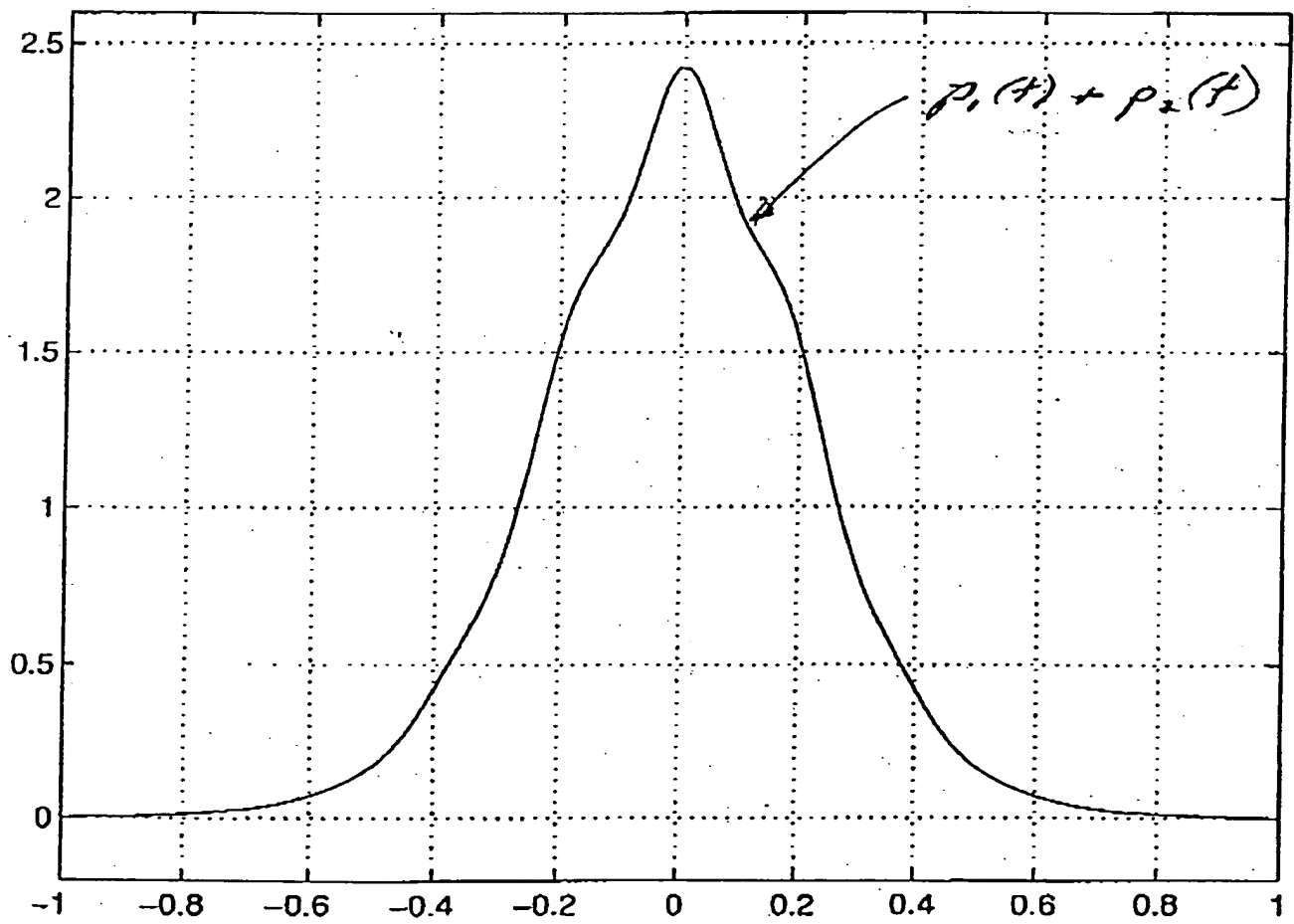


Fig 21

09834407 061801

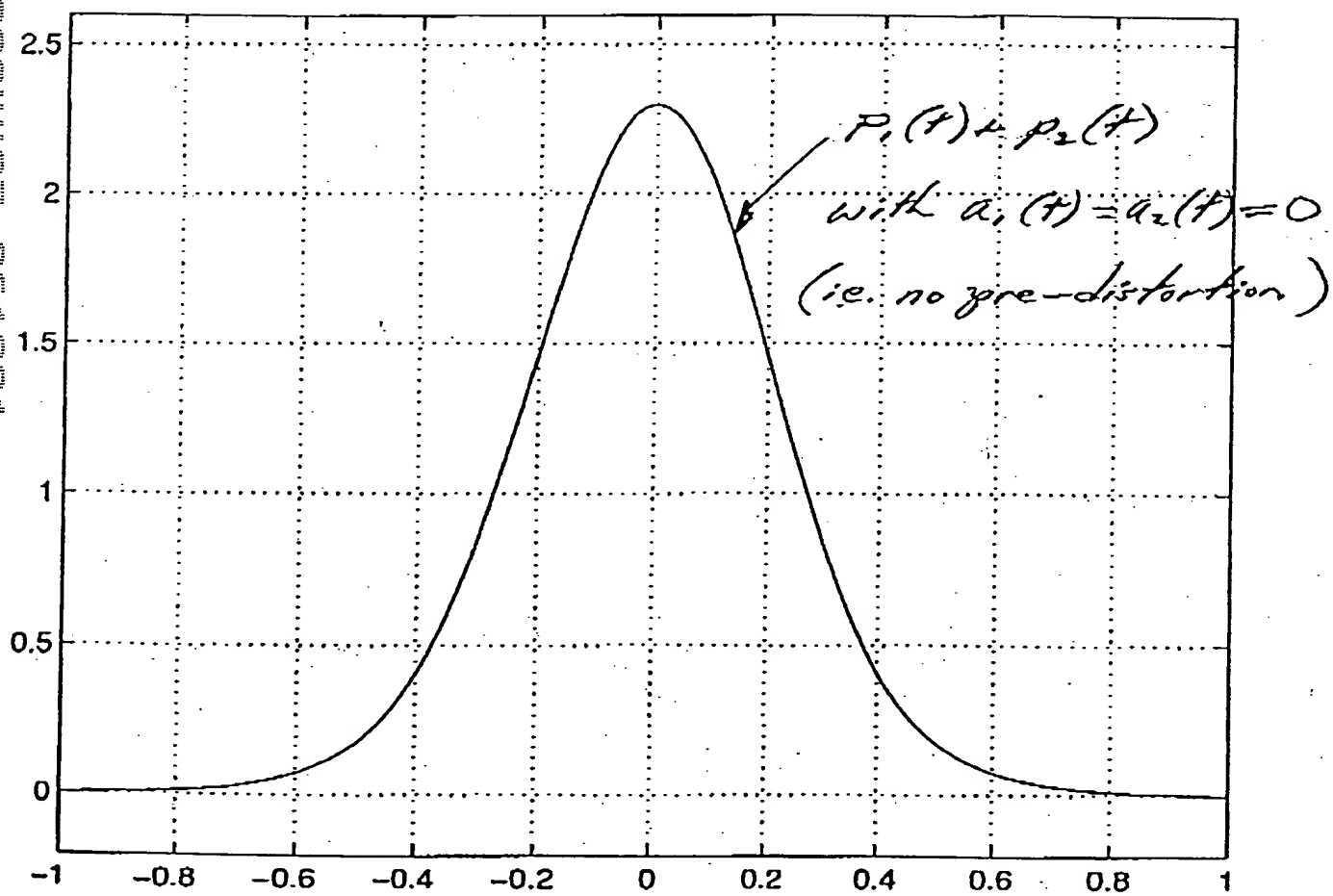


FIG 22

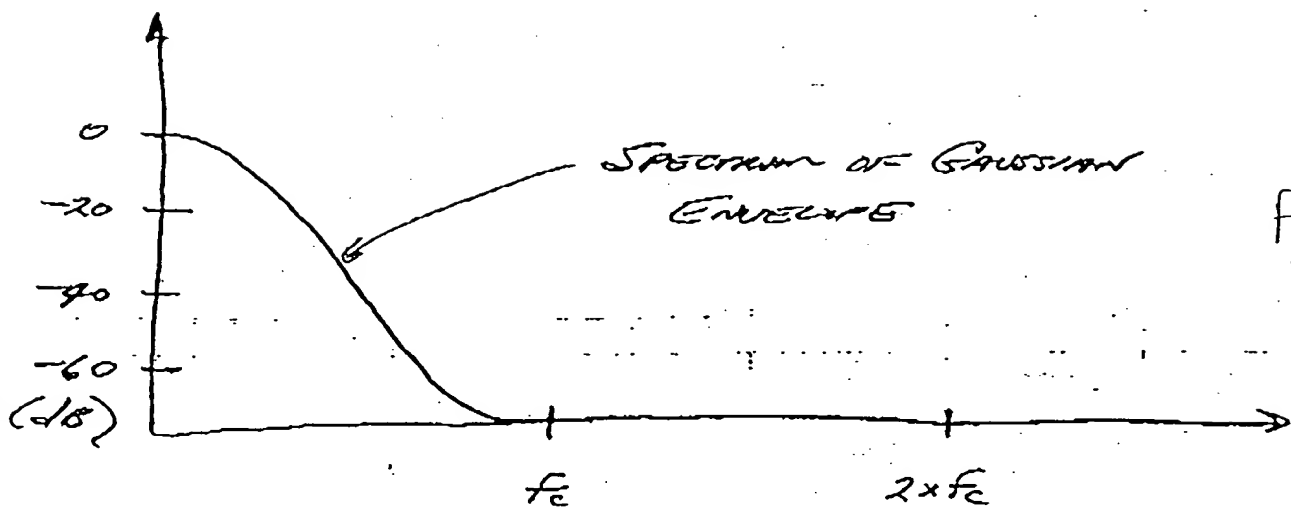


FIG 23

TYPICAL SPECTRUM OF UNIPOLAR PULSE $p_1(t)$ OR $p_2(t)$

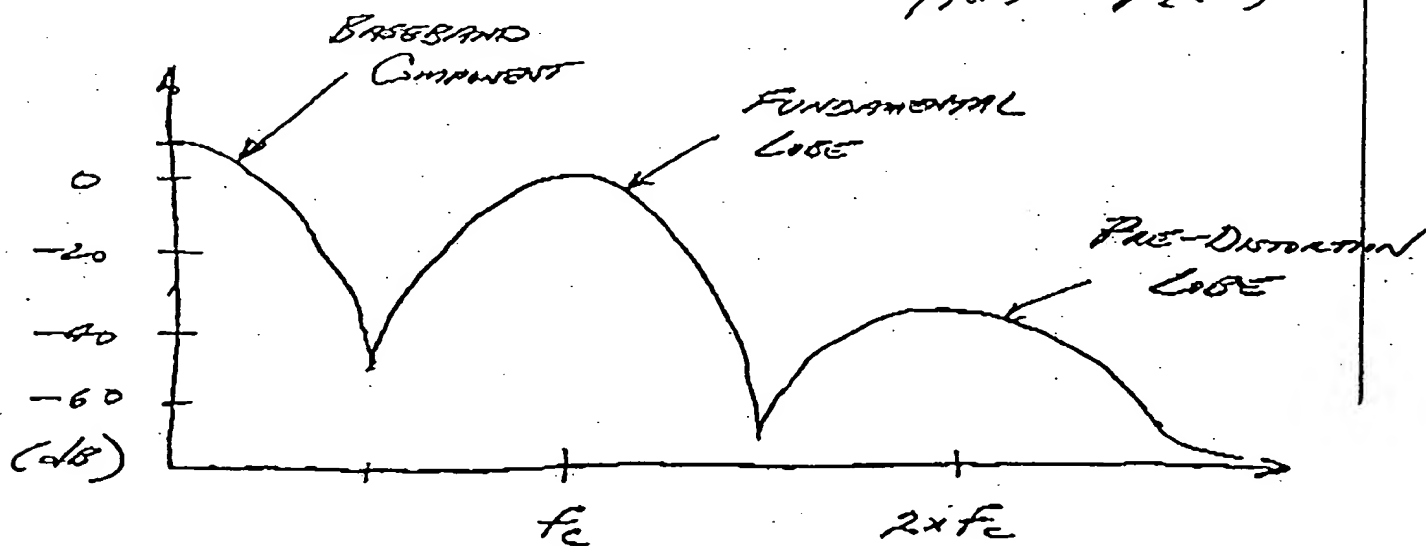


FIG 24

0 9 8 3 4 1 0 7 0 0 1 8 0 1

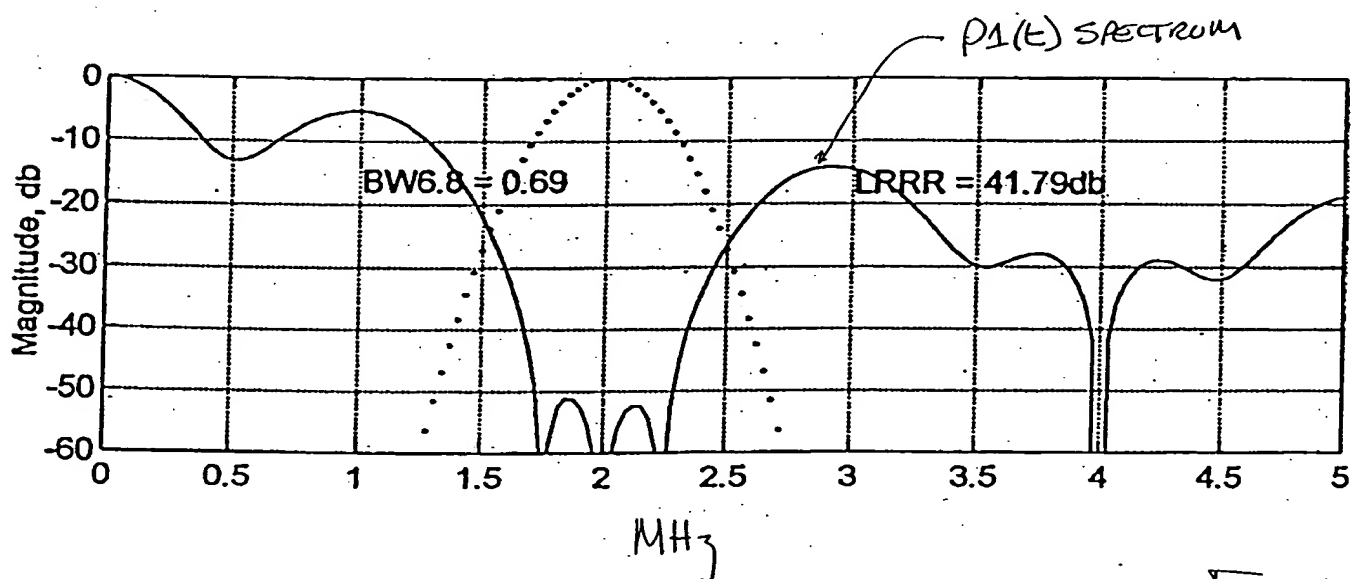
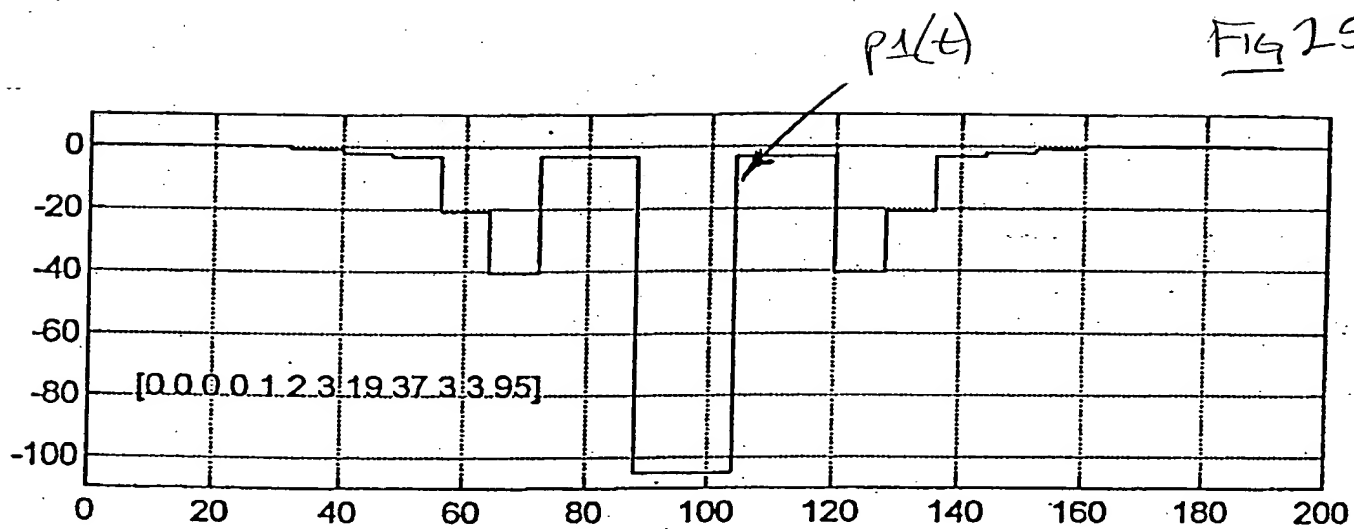


Fig: 26

FO8T90" 20448860

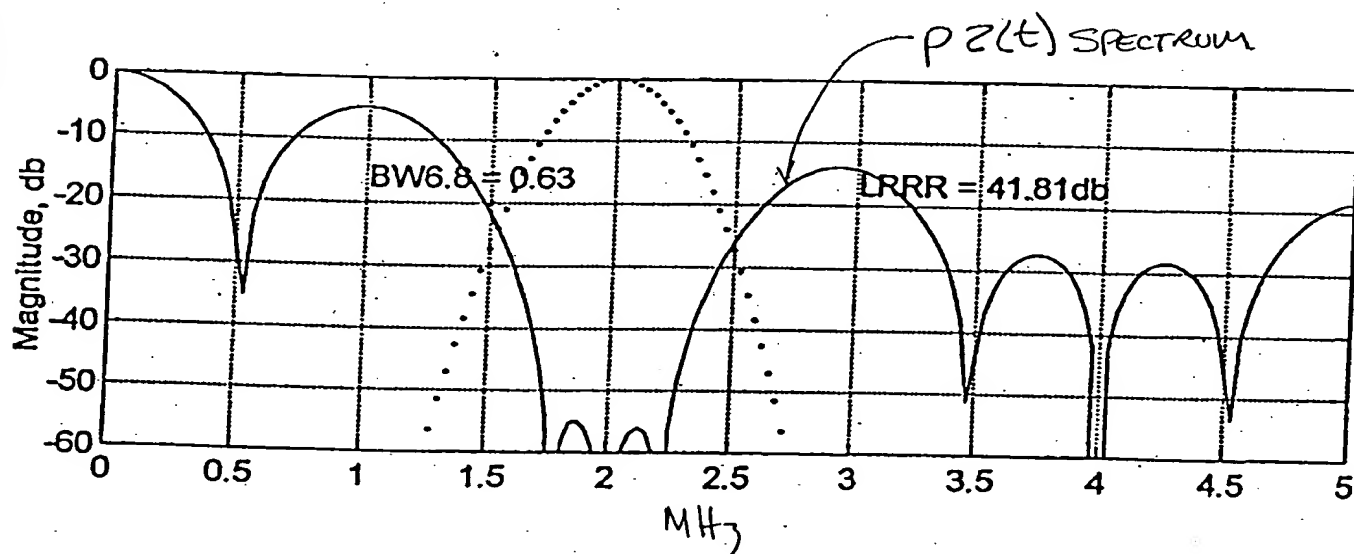
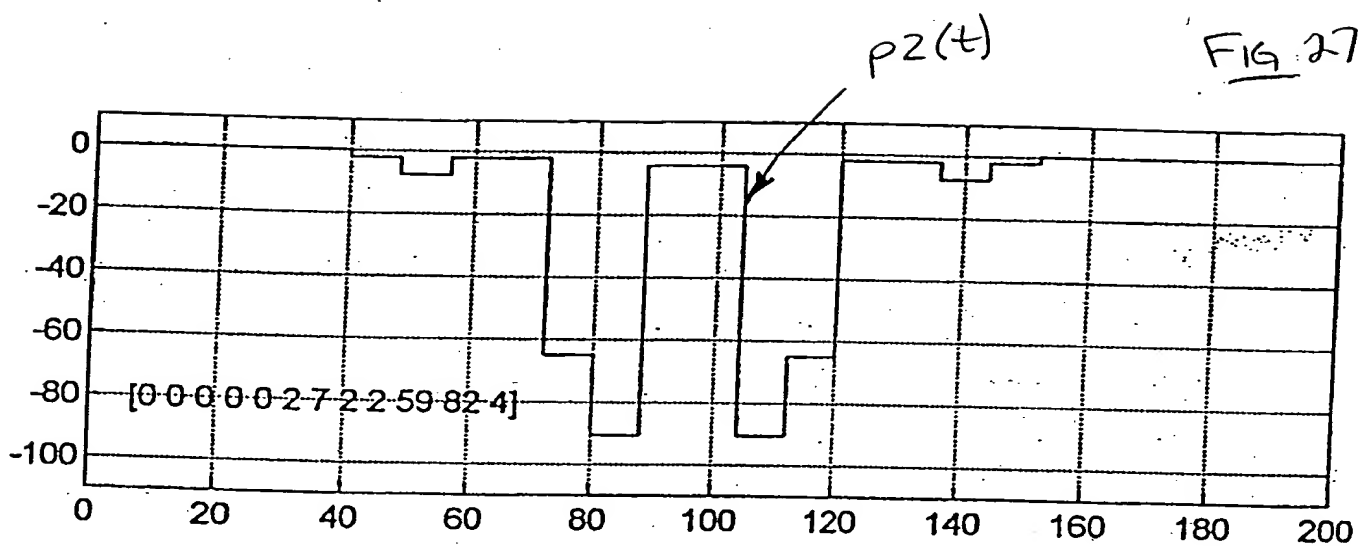


FIG 28

FIG 29 2044360

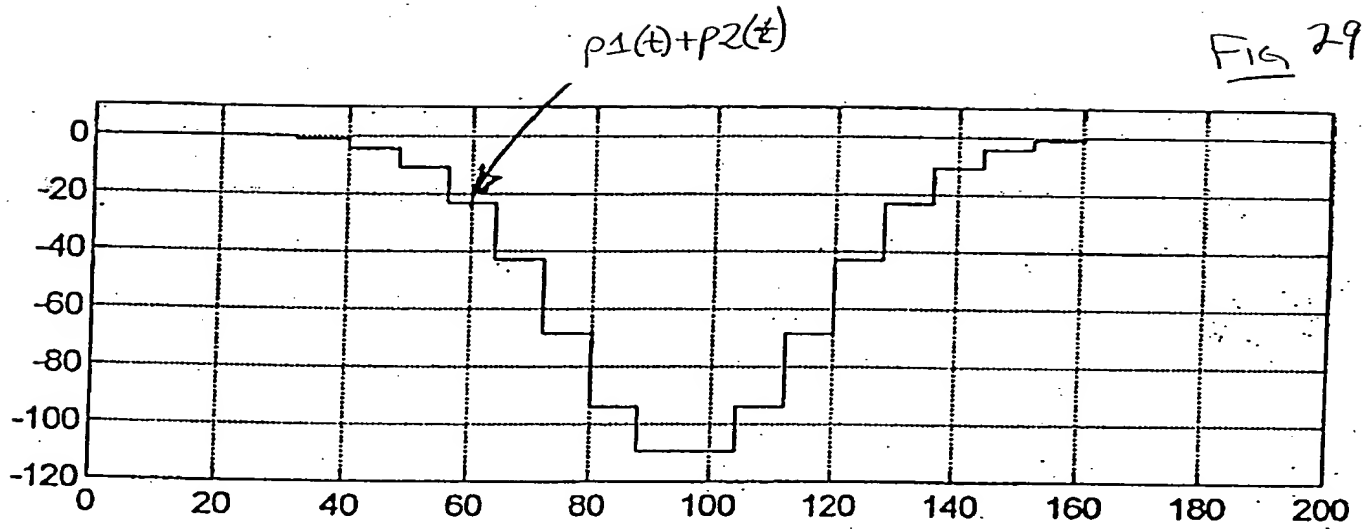
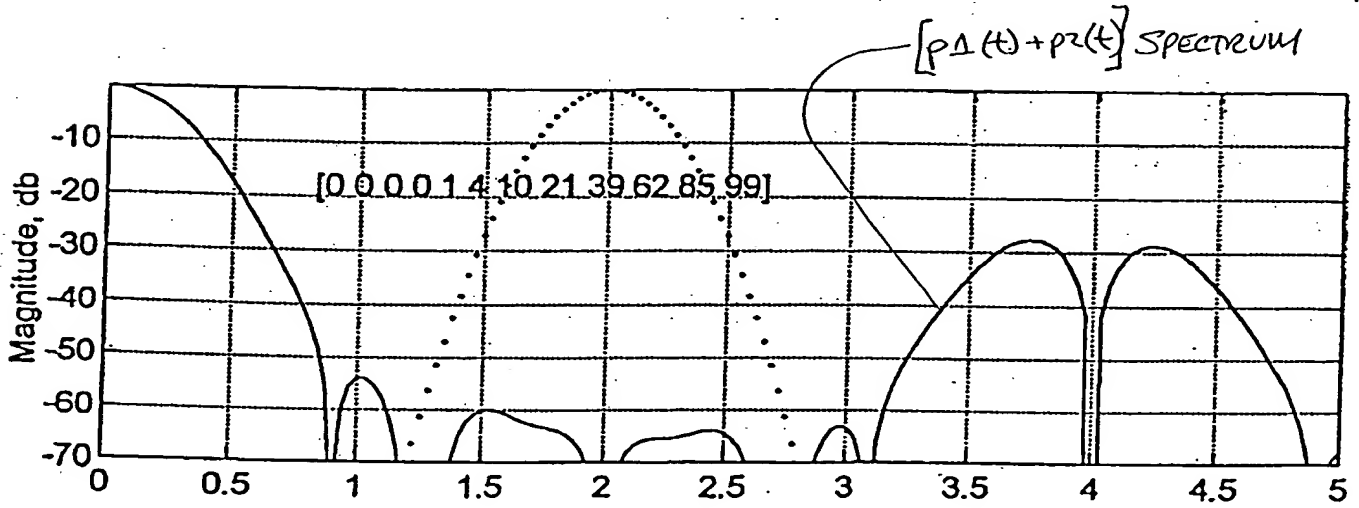


Fig 29



[0 0 0 0 1 4 10 21 39 62 85 99]

MHz

Fig 30

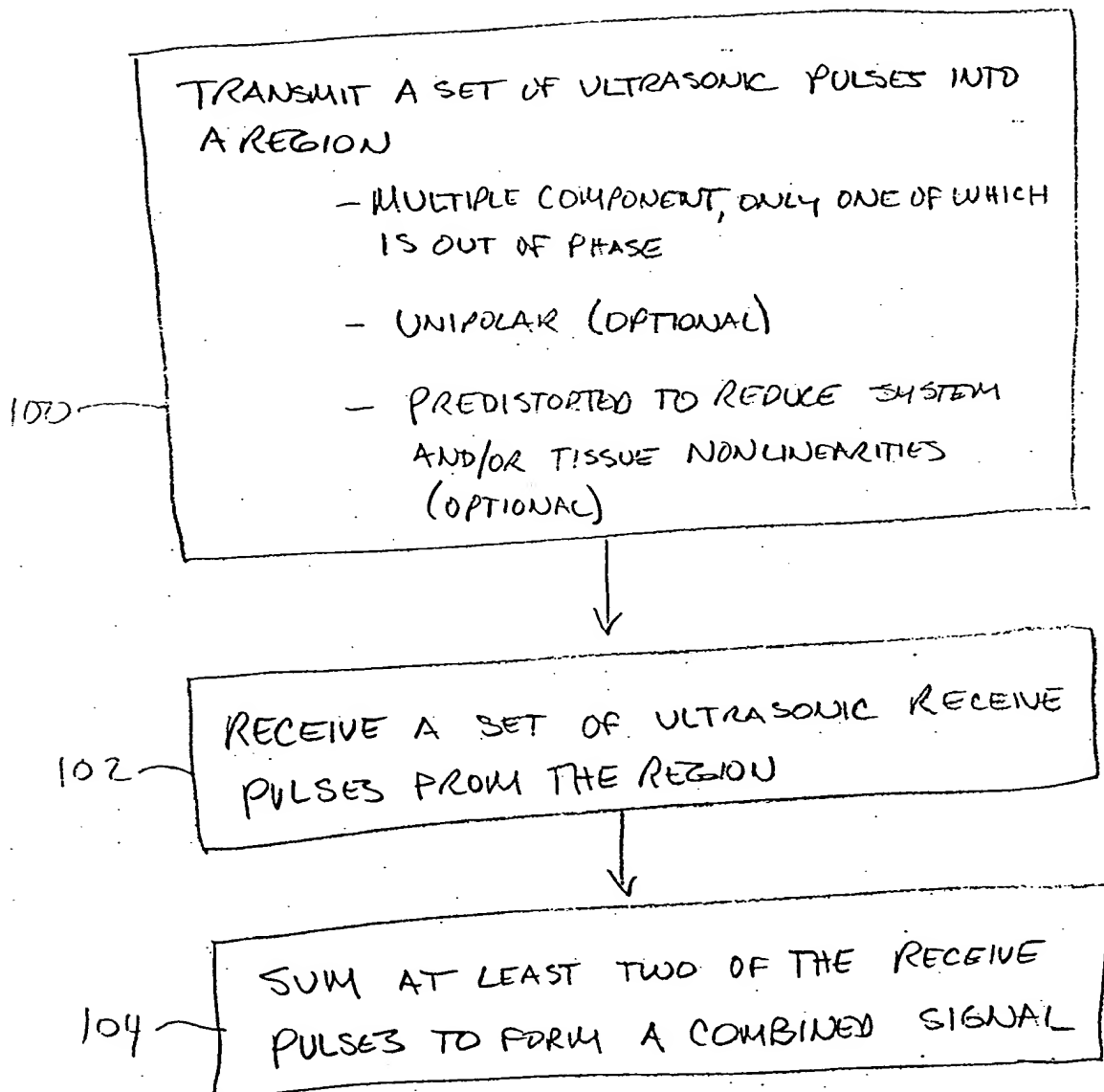


FIG 31